EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	910	719/310.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/28 13:29
L2	523	717/100.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 13:29
L3	1398	709/200.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 13:29
L4	32882	709/201-203,217-235.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 13:29
L5	2913	719/311-318.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 13:29
L6	784	717/101-104.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 13:29
L7	397	725/112.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 13:29
L8	355	717/114.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 13:29
L9	1398	709/200.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 13:29
L10	1616	709/231.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/28 13:30

L11	6367	709/203.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/28 13:30
L12	2589	715/513.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/28 13:30
L13	2589	715/513.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/28 13:30
L14	523	717/100.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 13:30
L15	142	719/311.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 13:30
L16	934	714/755,759.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 13:30
L17	41414	l1 or l2 or l3 or l4 or l5 or l6 or l7 or l8 or l9 or l10 or l11 or l12 or l13 or l14 or l15 or l16	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 13:31
L18	20	l17 and transcod$5 near5 attribut$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 13:32
L19	77	transcod$5 near5 attribut$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 13:32
L20	1887	digital near5 stream$5 near5 format	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 13:32
L21	99	l20 and transcod$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/28 13:32

EAST Search History

S1	3883	709/230-235.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 14:28
S2	20869	709/201-205,217-228.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/22 11:04
S3	23152	709/230-235.ccls. or 709/201-205, 217-228.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/22 11:04
S4	6	(709/230-235.ccls. or 709/201-205, 217-228.ccls.) and (content adj server) same stream$3 same director	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/22 12:32
S5	2	manag$3 near5 (content adj server) same servlet	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/22 12:39
S6	4	director near5 (content adj server) same servlet	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/22 12:47
S7	13	director near8 (content adj server)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/02 09:48
S8	9	(director near8 (content adj server)) not (director near5 (content adj server) same servlet)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/22 12:40
S9	0	transcod$3 near5 (content adj server) same servlet	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/22 12:48
S10	5	transcod$3 near5 (server) same servlet	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/22 12:54
S11	16	transcod$3 same (server) same servlet and IBM	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/22 12:54
S12	1	("20020087655").PN.	US-PGPUB; USOCR	OR	OFF	2004/09/02 09:48
S13	7	manager near8 (content adj server) and servlet and (JPEG or MP3 or MPEG)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/02 10:06
S14	0	((content adj server) same servlet) same (JPEG or MP3 or MPEG)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/02 10:06
S15	8	((content adj server) same servlet) and (JPEG or MP3 or MPEG)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/02 10:11

EAST Search History

S16	2	((content adj server) same schedule same servlet)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/02 10:12
S17	2	((content adj server) same Javabean)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/02 10:16
S18	15	((content adj server) same JSP)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/02 10:28
S19	39	((content adj server) same script) and (JPEG or MP3 or MPEG)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/02 11:10
S20	49	((content adj server) near8 instruction) and (JPEG or MP3 or MPEG)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/02 11:11
S21	9	((content adj server) near3 instruct) and (JPEG or MP3 or MPEG)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/02 11:12
S22	18	((content adj server) near3 instruction) and (JPEG or MP3 or MPEG)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/02 11:16
S23	3163	709/235-238.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 14:28
S24	10	709/235-238.ccls. and ((gateway or server) near8 transcoding)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 14:33
S25	7	(gateway or server) near8 transcoding near8 (email or (e adj mail))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 14:39
S26	17	(gateway or server) near8 transform$3 near8 (email or (e adj mail))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 15:07
S27	10	transcoding near5 (email or (e adj mail))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 15:08
S28	4	(transcoding near5 (email or (e adj mail))) not ((gateway or server) near8 transform$3 near8 (email or (e adj mail))) not ((gateway or server) near8 transcoding near8 (email or (e adj mail))) not (709/235-238.ccls. and ((gateway or server) near8 transcoding))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 15:12
S29	27	WML near5 conversion near5 HTML	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 15:13

S30	0	WML near5 conversion near5 HTML same ((e adj mail) or email)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 15:13
S31	6	WML near5 conversion near5 HTML and ((e adj mail) or email)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 15:16
S32	583	WAP adj gateway	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 15:16
S33	6	WAP adj gateway same ((e adj mail) or email) and (MPEG or MP3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 15:27
S34	223	mail adj server and (international adj business$.as.)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 15:28
S35	7	mail adj server and (international adj business$.as.) and transcoding	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 15:37
S36	13	(international adj business$.as.) and transcoding and (email or (e adj mail)) and (JPEG or MPEG or MP3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 17:10
S37	103	IIS same (email or (e adj mail)) and (JPEG or MPEG or MP3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 17:10
S38	3	IIS same (email or (e adj mail)) same (JPEG or MPEG or MP3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 17:11
S39	103	"IIS" same (email or (e adj mail)) and (JPEG or MPEG or MP3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 17:11
S40	19	"IIS" same (email or (e adj mail)) and (JPEG or MPEG or MP3)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/03 17:11
S41	19	("IIS" same (email or (e adj mail)) and (JPEG or MPEG or MP3)) not (IIS same (email or (e adj mail)) same (JPEG or MPEG or MP3))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/03 17:46
S42	88	MIME and POP3 and URL and JPEG	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/03 17:47
S43	15	MIME and POP3 and URL and (JPEG and transcoding)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/03 17:53

S44	15	(US-20020194366-$ or US-20020194483-$ or US-20020194501-$ or US-20020196935-$ or US-20020199001-$ or US-20020199096-$ or US-20020178360-$ or US-20030187936-$ or US-20030135563-$ or US-20030135561-$ or US-20030135560-$ or US-20030041110-$ or US-20030009694-$ or US-20020165912-$ or US-20020010746-$).did.	US-PGPUB	OR	OFF	2004/09/03 17:49
S45	15	(MIME and POP3 and URL and (JPEG and transcoding)) and (JPEG and transcoding)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 17:50
S46	13	((US-20020194366-$ or US-20020194483-$ or US-20020194501-$ or US-20020196935-$ or US-20020199001-$ or US-20020199096-$ or US-20020178360-$ or US-20030187936-$ or US-20030135563-$ or US-20030135561-$ or US-20030135560-$ or US-20030041110-$ or US-20030009694-$ or US-20020165912-$ or US-20020010746-$).did.) and (JPEG same transcoding)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/03 17:53
S47	4	MIME and POP3 and URL and (JPEG same transcode)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/03 17:53
S48	1	MIME and POP3 and URL and (JPEG same (transforming or transform))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/03 17:55
S49	9	MIME and URL and (JPEG same (transforming or transform))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/03 17:59
S50	17	MIME and (JPEG same (transforming or transform))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/03 18:00
S51	3	(((e adj mail) or email) adj (server or gateway)) and (JPEG same MPEG same (transforming or transform))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/03 18:02

EAST Search History

S52	14	(((e adj mail) or email) adj (server or gateway)) and (JPEG same MPEG same (transcod$5))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/09/03 18:03
S53	63	(user adj control) same broadcast$3 same stream$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/05 10:44
S54	63	"user control" same broadcast$3 same stream$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/05 10:45
S55	873	(play or pause or stop) same broadcast$3 same stream$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/05 10:45
S56	317	(play or pause or stop) same broadcast$3 same stream$3 and client and server	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/05 10:45
S57	142	(play or pause or stop) same broadcast$3 same stream$3 and client and server and (HTML or XML)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/05 10:46
S58	70	(play or pause or stop) same broadcast$3 same stream$3 and client and server and (HTML or XML) and (URL same stream$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/05 10:46
S59	3	(play or pause or stop) same broadcast$3 same stream$3 and client and server and (HTML or XML) and (URL same stream$3) and servlet	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/09/05 10:46
S60	0	("20030177030").PN.	USPAT; USOCR	OR	OFF	2004/09/07 15:21
S61	1	("20030177030").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/07 15:23
S62	1	("6564261").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/07 15:23
S63	1556	709/231.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/16 16:35
S64	6151	709/203.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/16 16:36
S65	0	7015/513.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/16 16:36
S66	2489	715/513.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/16 16:36

S67	891	719/310.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 16:37
S68	1556	709/231.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/16 16:44
S69	6151	709/203.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/16 16:44
S70	2489	715/513.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/16 16:44
S71	10689	S68 or S69 or S70 or S67	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 16:56
S72	656	S71 and (user adj control)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 16:57
S73	890	719/310.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/16 17:23
S74	511	717/100.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:23
S75	1375	709/200.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:24
S76	31631	709/201-203,217-235.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:24
S77	2829	719/311-318.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:24

S78	753	717/101-104.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:24
S79	381	725/112.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:24
S80	340	717/114.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:24
S81	139	719/311.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:24
S82	908	714/755,759.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:24
S83	890	719/310.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/16 17:24
S84	511	717/100.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:24
S85	1375	709/200.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:25
S86	31631	709/201-203,217-235.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:25
S87	891	719/310.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:25

EAST Search History

S88	1556	709/231.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/16 17:25
S89	6151	709/203.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/16 17:25
S90	2489	715/513.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/02/16 17:25
S91	10689	S88 or S89 or S90 or S87	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:25
S92	47	S91 and routine near5 URL	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:25
S93	39892	S73 or S74 or S75 or S76 or S77 or S78 or S79 or S80 or S81 or S82 or S83 or S84 or S85 or S86 or S87 or S88 or S89 or S90 or S91	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:26
S94	47	S93 and URL same select$5 near5 routine	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:27
S95	18	S93 and broadcast$5 near5 user adj control	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:28
S96	102	S93 and HTML near5 user near3 control$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:28
S97	0	S93 and remot$5 same (ident$5 or identific$5) same adminstrat$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:30

EAST Search History

S98	310	S93 and remot$5 same (ident$5 or identific$5) same administrat$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:30
S99	16	S93 and remot$5 near5 (ident$5 or identific$5) near5 administrat$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:31
S10 0	2	S93 and extract$5 near5 dependence near5 instruct$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 17:32
S10 1	769	717/101-104.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 13:11
S10 2	384	725/112.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 13:11
S10 3	921	714/755,759.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 13:19
S10 4	26996	709/217-232.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:04
S10 5	5088	709/236-244.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:04
S10 6	1518	718/100.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:05

S10 7	900	719/310.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:05
S10 8	2877	719/311-318.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:05
S10 9	404	719/330.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:05
S11 0	521	717/100.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:05
S11 1	769	717/101-104.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:05
S11 2	384	725/112.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:05
S11 3	349	717/114.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:06
S11 4	0	717/759,755.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:06
S11 5	2682	715/513,752.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:06
S11 6	285	379/265.09.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:06

S11 7	3931	709/206,207.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:06
S11 8	42406	S101 or S102 or S103 or S104 or S105 or S106 or S107 or S108 or S109 or S110 or S111 or S112 or S113 or S114 or S115 or S116 or S117	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:07
S11 9	91	S118 and (email or (e adj mail)) near5 administration	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:07
S12 0	642	S118 and (email or (e adj mail)) near5 administrat$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 14:07
S12 1	1	("6377991").PN.	US-PGPUB; USPAT	OR	OFF	2006/04/02 08:08
S12 2	1	("6,842,860").PN.	US-PGPUB; USPAT	OR	OFF	2006/04/02 08:09
S12 3	0	(S121 or S122) and (bitwise near5 "and")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 08:09
S12 4	225	(bitwise near5 "and" near5 bit)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 08:11
S12 5	0	S124 same http	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 08:10
S12 6	26	S124 and http and header	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 08:10
S12 7	0	(bitwise near5 "and" near5 bit) same header	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 08:12

EAST Search History

S12 8	6	(bitwise near5 "and" near5 bit) same string	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 09:05
S12 9	1	("5757895").PN.	US-PGPUB; USPAT	OR	OFF	2006/04/02 09:05
S13 0	1	("6081591").PN.	US-PGPUB; USPAT	OR	OFF	2006/04/02 09:06
S13 1	2	(("6081591") or ("5999525")).PN.	US-PGPUB; USPAT	OR	OFF	2006/04/02 09:06
S13 2	3	(("6081591") or ("5999525") or ("5822420")).PN.	US-PGPUB; USPAT	OR	OFF	2006/04/02 09:06
S13 3	2	(("6081591") or ("5726984")).PN.	US-PGPUB; USPAT	OR	OFF	2006/04/02 10:47
S13 4	3	(("6081591") or ("5726984") or ("6, 731,625")).PN.	US-PGPUB; USPAT	OR	OFF	2006/04/02 11:57
S13 5	17	"6,731,625"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 11:57
S13 6	1	("6,731,625").PN.	US-PGPUB; USPAT	OR	OFF	2006/04/02 11:57
S13 7	4	(("5920725") or ("5995472") or ("6430570") or ("6298478")).PN.	US-PGPUB; USPAT	OR	OFF	2006/04/12 17:05
S13 8	5	(("5920725") or ("5995472") or ("6430570") or ("6298478") or ("20020087655")).PN.	US-PGPUB; USPAT	OR	OFF	2006/04/12 17:40
S13 9	4	director adj authority	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 19:42
S14 0	1120	event adj filter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 19:42
S14 1	3	event adj filter near5 chain	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 19:45

EAST Search History

S14 2	2	filter near chain near2 event	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 19:47
S14 3	13	multiple near2 event near filter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 19:52
S14 4	1	S143 and transform$5 near5 event	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 19:52
S14 5	44	transform$5 near5 event near5 filter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 19:52
S14 6	17	transform$5 near3 event near3 filter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 19:52
S14 7	10	transform$5 near2 event near2 filter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 19:52

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Relevance scale ☐➖➖■■

1 Architecture and performance of server-directed transcoding

Björn Knutsson, Honghui Lu, Jeffrey Mogul, Bryan Hopkins
November 2003 **ACM Transactions on Internet Technology (TOIT)**, Volume 3 Issue 4
Publisher: ACM Press

Full text available: ▣ pdf(927.92 KB)   Additional Information: full citation, abstract, references, citings, index terms, review

Proxy-based transcoding adapts Web content to be a better match for client capabilities (such as screen size and color depth) and last-hop bandwidths. Traditional transcoding breaks the end-to-end model of the Web, because the proxy does not know the semantics of the content. *Server-directed transcoding* preserves end-to-end semantics while supporting aggressive content transformations.We show how server-directed transcoding can be integrated into the HTTP protocol and into the implementat ...

Keywords: HTTP, proxy, transcode, web

2 Transcoding media for bandwidth constrained mobile devices

Kevin Curran, Stephen Annesley
March 2005 **International Journal of Network Management**, Volume 15 Issue 2
Publisher: John Wiley & Sons, Inc.

Full text available: ▣ pdf(179.00 KB)   Additional Information: full citation, abstract, references, index terms

Bandwidth is an important consideration when dealing with streaming media. More bandwidth is required for complex data such as video as opposed to a simple audio file. When delivering streaming media, sufficient bandwidth is required to achieve an acceptable level of performance. If the information streamed exceeds the bandwidth capacity of the client the result will be 'choppy' and incomplete with possible loss of transmission. Transcoding typically refers to the adaptation of streaming content ...

3 XML document security based on provisional authorization

Michiharu Kudo, Satoshi Hada
November 2000 **Proceedings of the 7th ACM conference on Computer and communications security**
Publisher: ACM Press

Full text available: ▣ pdf(456.68 KB)   Additional Information: full citation, references, citings, index terms

Keywords: XML, access control, provisional authorization, security transcoding

4 Measurements and analysis: Analysis of multimedia workloads with implications for internet streaming
Lei Guo, Songqing Chen, Zhen Xiao, Xiaodong Zhang
May 2005 **Proceedings of the 14th international conference on World Wide Web**
Publisher: ACM Press
Full text available: pdf(794.98 KB)   Additional Information: full citation, abstract, references, index terms

> In this paper, we study the media workload collected from a large number of commercial Web sites hosted by a major ISP and that collected from a large group of home users connected to the Internet via a well-known cable company. Some of our key findings are: (1) Surprisingly, the majority of media contents are still delivered via downloading from Web servers. (2) A substantial percentage of media downloading connections are aborted before completion due to the long waiting time. (3) A hybrid app ...

5 Annotation-based transcoding for nonvisual web access
Chieko Asakawa, Hironobu Takagi
November 2000 **Proceedings of the fourth international ACM conference on Assistive technologies**
Publisher: ACM Press
Full text available: pdf(451.21 KB)   Additional Information: full citation, references, citings, index terms

> **Keywords:** blind, commentary annotation, nonvisual web access, structural annotation, transcoding system

6 Mobile data management: Middleware support for reconciling client updates and data transcoding
Thomas Phan, George Zorpas, Rajive Bagrodia
June 2004 **Proceedings of the 2nd international conference on Mobile systems, applications, and services MobiSys '04**
Publisher: ACM Press
Full text available: pdf(4.80 MB)   Additional Information: full citation, abstract, references, index terms

> In mobile Internet applications, data can be transcoded, updated, and transferred across heterogenous clients. The problem then arises where updates made in the context of an initial transcoding results in content too stringently transcoded for subsequent clients, thereby causing loss of semantic value. We solve this problem by suggesting that the updates themselves can be transformed so that they can be applied directly to the original data instead of to the transcoded data; this approach allow ...
>
> **Keywords:** client updates, data management, middleware, mobile computing, reconciliation, transcoding

7 Multimedia and visualization (MV): Cost effective transcoding for QoS adaptive multimedia streaming
Ilhoon Shin, Kern Koh
March 2004 **Proceedings of the 2004 ACM symposium on Applied computing**
Publisher: ACM Press
Full text available: pdf(165.40 KB)   Additional Information: full citation, abstract, references, index terms

> Transcoding is a core technique that is used in providing quality-of-service (QoS) adaptive multimedia streaming service. Many studies have examined how best to perform transcoding and reduce computation overhead. However, the issue of when to transcode has not been adequately studied in previous research. This paper addresses this issue and presents a simple and intelligent approach that can be used to reduce both disk bandwidth and space requirements. Our approach determines the optimum time t ...

Keywords: QoS, multimedia streaming, transcoding

8 <u>Systems Issues: On balancing between transcoding overhead and spatial consumption in content adaptation</u>
Wai Yip Lum, Francis C.M. Lau
September 2002 **Proceedings of the 8th annual international conference on Mobile computing and networking**
Publisher: ACM Press

Full text available: <u>pdf(2.18 MB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

We propose a method that can find the optimal tradeoff point between transcoding overhead (CPU cost) and storage needed for the various pre-processed content variants (I/O cost). The method selectively pre-adapts a subset of content variants and leaves the generation of the residue to dynamic content adaptation with this pre-adapted subset as an input. We prove bounds regarding the optimality of the algorithm employed. The proposed model creates a collaborative environment across the components ...

Keywords: content adaptation, mobile computing, performance optimization, pervasive computing, pre-adaptation

9 <u>Factoring a mobile client's effective processing speeed into the image transcoding decision</u>
Richard Han
August 1999 **Proceedings of the 2nd ACM international workshop on Wireless mobile multimedia**
Publisher: ACM Press
Full text available: <u>pdf(897.48 KB)</u>   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Keywords: CPU, PDA, image processing, mobile, partitioning, proxy, transcoding

10 <u>Time- and power-sensitive techniques: Beat the clock: a multiple attribute approach for scheduling data broadcast</u>
Weiwei Cao, Demet Aksoy
June 2005 **Proceedings of the 4th ACM international workshop on Data engineering for wireless and mobile access**
Publisher: ACM Press
Full text available: <u>pdf(274.57 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

With the uprising popularity of large-scale applications, highly scalable data delivery is becoming a major requirement. One example application is eHealth sensor networks applications. In this paper, we consider a time-critical wireless broadcast dissemination approach to meet user specific deadlines. We propose a novel deadline-aware algorithm, called the Multiple Attributes Integration (MAI) to schedule on-demand requests based on a number of attributes. Our results suggest that MAI can signi ...

Keywords: broadcast, deadline, eHealth sensor networks, scheduling

11 <u>Device-aware desktop web page transformation for rendering on handhelds</u>
A. Artail, Mackram Raydan
November 2005 **Personal and Ubiquitous Computing**, Volume 9 Issue 6
Publisher: Springer-Verlag
Full text available: <u>pdf(752.77 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>index terms</u>

This paper illustrates a new approach to automatic re-authoring of web pages for rendering on small-screen devices. The approach is based on automatic detection of the device type and screen size from the HTTP request header to render a desktop web page or a transformed one for display on small screen devices, for example, PDAs. Known algorithms (transforms) are employed to reduce the size of page elements, to hide parts of the text, and to transform tables into text while preserving the structu ...

Keywords: Context awareness, Mobile device types, Small screen devices, Transcoding, Web browsing, Web page rendering, Wireless devices

12 WebViews: accessing personalized web content and services
Juliana Freire, Bharat Kumar, Daniel Lieuwen
April 2001 **Proceedings of the 10th international conference on World Wide Web**
Publisher: ACM Press
Full text available: pdf(305.83 KB)   Additional Information: full citation, references, citings, index terms

Keywords: Web clipping, content transcoding, dynamic content, electronic commerce, information delivery, personalization, smart bookmarks, voice interfaces, wrappers

13 Web and e-business application: User adaptive content delivery mechanism on the world wide web
Tadashi Nakano, Kaname Harumoto, Shinji Shimojo, Shojiro Nishio
March 2002 **Proceedings of the 2002 ACM symposium on Applied computing**
Publisher: ACM Press
Full text available: pdf(1.00 MB)   Additional Information: full citation, abstract, references, citings, index terms

To reduce the user-perceived latency in web content delivery, many techniques have been proposed. One is a transmission time control mechanism that automatically adjusts the quality of inline objects, such as images on a web page, according to the client network bandwidth. Another is a transmission order control mechanism that can transmit inline objects in a specified order preferred by users. In this paper, we describe the development of a user adaptive content delivery mechanism that integrat ...

Keywords: HTTP extension, WWW, content adaptation, content delivery, quality of service, transmission order control, transmission time control, user profile

14 Effective Web browsing through content delivery adaptation
Kaname Harumoto, Tadashi Nakano, Shinya Fukumura, Shinji Shimojo, Shojiro Nishio
November 2005 **ACM Transactions on Internet Technology (TOIT)**, Volume 5 Issue 4
Publisher: ACM Press
Full text available: pdf(6.90 MB)   Additional Information: full citation, abstract, references, index terms

This article presents a Web content adaptation and delivery mechanism based on application-level quality of service (QoS) policies. To realize effective Web content delivery for users, two kinds of application-level QoS policies, transmission time and transmission order of inline objects, are introduced. Next, we define a language to specify these policies. We show that transmission order control can be implemented using HTTP/1.1 pipelined requests in which a client recognizes the transmission o ...

Keywords: Content adaptation, World Wide Web, hypertext

15 Adapting to network and client variability via on-demand dynamic distillation
Armando Fox, Steven D. Gribble, Eric A. Brewer, Elan Amir

October 1996 **ACM SIGOPS Operating Systems Review , ACM SIGPLAN Notices , Proceedings of the seventh international conference on Architectural support for programming languages and operating systems ASPLOS-VII**, Volume 30 , 31 Issue 5 , 9

Publisher: ACM Press

Full text available: pdf(1.64 MB)   Additional Information: full citation, abstract, references, citings, index terms

The explosive growth of the Internet and the proliferation of smart cellular phones and handheld wireless devices is widening an already large gap between Internet clients. Clients vary in their hardware resources, software sophistication, and quality of connectivity, yet server support for client variation ranges from relatively poor to none at all. In this paper we introduce some design principles that we believe are fundamental to providing "meaningful" Internet access for the entire range of ...

16 Industrial session: XML support in relational system: Native XML support in DB2 universal database

Matthias Nicola, Bert van der Linden
August 2005 **Proceedings of the 31st international conference on Very large data bases VLDB '05**

Publisher: VLDB Endowment

Full text available: pdf(240.25 KB)   Additional Information: full citation, abstract, references, index terms

The major relational database systems have been providing XML support for several years, predominantly by mapping XML to existing concepts such as LOBs or (object-) relational tables. The limitations of these approaches are well known in research and industry. Thus, a forthcoming version of DB2 Universal Database® is enhanced with comprehensive *native* XML support. "Native" means that XML documents are stored on disk pages in tree structures matching the XML data model. This avoids the ...

17 Scalable multimedia delivery for pervasive computing

John R. Smith, Rakesh Mohan, Chung-Sheng Li
October 1999 **Proceedings of the seventh ACM international conference on Multimedia (Part 1)**

Publisher: ACM Press

Full text available: pdf(1.27 MB)   Additional Information: full citation, abstract, references, citings, index terms

Growing numbers of pervasive devices are gaining access to the Internet and other information sources. However, much of the rich multimedia content cannot be easily handled by the client devices with limited communication, processing, storage and display capabilities. In order to improve access, we are developing a system for scalable delivery of multimedia. The system uses an InfoPyramid for managing and manipulating multimedia content composed of video, images, audio and text. The InfoPyr ...

18 WebSplitter: a unified XML framework for multi-device collaborative Web browsing

Richard Han, Veronique Perret, Mahmoud Naghshineh
December 2000 **Proceedings of the 2000 ACM conference on Computer supported cooperative work**

Publisher: ACM Press

Full text available: pdf(200.60 KB)   Additional Information: full citation, abstract, references, citings, index terms

WebSplitter symbolizes the union of pervasive multi-device computing and collaborative multi-user computing. WebSplitter provides a unified XML framework that enables multi-device and multi-user Web browsing. WebSplitter splits a requested Web page and delivers the appropriate partial view of each page to each user, or more accurately to each user's set of devices. Multiple users can participate in the same browsing session, as in traditional conferencing groupware. Depending on the acc ...

Keywords: PDA, XML, co-browsing, collaboration, groupware, middleware, multi-device, partial view, pervasive, proxy, remote control, service discovery, wireless

19 Composable ad hoc location-based services for heterogeneous mobile clients

Todd D. Hodes, Randy H. Katz

October 1999 **Wireless Networks**, Volume 5 Issue 5

Publisher: Kluwer Academic Publishers

Full text available: pdf(403.18 KB)   Additional Information: full citation, references, citings, index terms

20 Applications, services, and architecture: Smart edge server: beyond a wireless access point

G. Manjunath, T. Simunic, V. Krishnan, J. Tourrilhes, D. Das, V. Srinivasmurthy, A. McReynolds

October 2004 **Proceedings of the 2nd ACM international workshop on Wireless mobile applications and services on WLAN hotspots**

Publisher: ACM Press

Full text available: pdf(410.68 KB)   Additional Information: full citation, abstract, references, index terms

> Wireless access at cafes, airports, homes and businesses have proliferated all over the globe with several different Wireless Internet Service Providers. Similarly, digital media has created a paradigm shift in media processing resulting in a complete change in media usage models, revamped existing businesses and has introduced new industry players. We believe there is a tremendous opportunity for application and system services at the intersection of the above two domains for exploiting the ...

Keywords: access point, low-power, management, media, security, wireless

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1 Transcoding media for bandwidth constrained mobile devices   ■
Kevin Curran, Stephen Annesley
March 2005 **International Journal of Network Management**, Volume 15 Issue 2
Publisher: John Wiley & Sons, Inc.
Full text available: 📄 pdf(179.00 KB)   Additional Information: full citation, abstract, references, index terms

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2 Measurements and analysis: Analysis of multimedia workloads with implications for   ■
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Lei Guo, Songqing Chen, Zhen Xiao, Xiaodong Zhang
May 2005 **Proceedings of the 14th international conference on World Wide Web**
Publisher: ACM Press
Full text available: 📄 pdf(794.98 KB)   Additional Information: full citation, abstract, references, index terms

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3 Factoring a mobile client's effective processing speeed into the image transcoding   ▬
◈ decision
Richard Han
August 1999 **Proceedings of the 2nd ACM international workshop on Wireless mobile multimedia**
Publisher: ACM Press
Full text available: 📄 pdf(897.48 KB)   Additional Information: full citation, references, citings, index terms

> **Keywords**: CPU, PDA, image processing, mobile, partitioning, proxy, transcoding

4   ▬

Multimedia and visualization (MV): Cost effective transcoding for QoS adaptive

multimedia streaming
Ilhoon Shin, Kern Koh
March 2004 **Proceedings of the 2004 ACM symposium on Applied computing**
Publisher: ACM Press
Full text available: pdf(165.40 KB)   Additional Information: full citation, abstract, references, index terms

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has not been adequately studied in previous research. This paper addresses this issue and
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bandwidth and space requirements. Our approach determines the optimum time t ...

Keywords: QoS, multimedia streaming, transcoding

5   Time- and power-sensitive techniques: Beat the clock: a multiple attribute approach
for scheduling data broadcast
Weiwei Cao, Demet Aksoy
June 2005 **Proceedings of the 4th ACM international workshop on Data engineering
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Publisher: ACM Press
Full text available: pdf(274.57 KB)   Additional Information: full citation, abstract, references, index terms

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Keywords: broadcast, deadline, eHealth sensor networks, scheduling

6   Mobile data management: Middleware support for reconciling client updates and data
transcoding
Thomas Phan, George Zorpas, Rajive Bagrodia
June 2004 **Proceedings of the 2nd international conference on Mobile systems,
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Publisher: ACM Press
Full text available: pdf(4.80 MB)   Additional Information: full citation, abstract, references, index terms

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heterogenous clients. The problem then arises where updates made in the context of an
initial transcoding results in content too stringently transcoded for subsequent clients,
thereby causing loss of semantic value. We solve this problem by suggesting that the
updates themselves can be transformed so that they can be applied directly to the original
data instead of to the transcoded data; this approach allow ...

Keywords: client updates, data management, middleware, mobile computing,
reconciliation, transcoding

7   Adapting to network and client variability via on-demand dynamic distillation
Armando Fox, Steven D. Gribble, Eric A. Brewer, Elan Amir
October 1996 **ACM SIGOPS Operating Systems Review , ACM SIGPLAN Notices ,
                Proceedings of the seventh international conference on Architectural
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                VII**, Volume 30 , 31 Issue 5 , 9
Publisher: ACM Press

Full text available: pdf(1.64 MB)   Additional Information: full citation, abstract, references, citings, index terms

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8 Effective Web browsing through content delivery adaptation

Kaname Harumoto, Tadashi Nakano, Shinya Fukumura, Shinji Shimojo, Shojiro Nishio
November 2005 **ACM Transactions on Internet Technology (TOIT)**, Volume 5 Issue 4
Publisher: ACM Press
Full text available: pdf(6.90 MB)   Additional Information: full citation, abstract, references, index terms

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Keywords: Content adaptation, World Wide Web, hypertext

9 Trading and negotiating stream bindings

H. O. Rafaelsen, F. Eliassen
April 2000 **IFIP/ACM International Conference on Distributed systems platforms**
Publisher: Springer-Verlag New York, Inc.
Full text available: pdf(161.26 KB)   Additional Information: full citation, abstract, references, citings

Distributed multimedia information systems require a range of different interaction styles ranging from simple remote operation interaction to complex patterns of interaction involving both discrete and continuous data. The standardized reference model for Open Distributed Processing (ODP) defines a binding model that encapsulates different interaction styles within explicit binding objects. In this paper we discuss mechanisms for selecting and negotiating appropriate explicit stream bindings ...

10 Architecture and performance of server-directed transcoding

Björn Knutsson, Honghui Lu, Jeffrey Mogul, Bryan Hopkins
November 2003 **ACM Transactions on Internet Technology (TOIT)**, Volume 3 Issue 4
Publisher: ACM Press
Full text available: pdf(927.92 KB)   Additional Information: full citation, abstract, references, citings, index terms, review

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Keywords: HTTP, proxy, transcode, web

11 Multimedia for tiny devices: Integrated power management for video streaming to mobile handheld devices

Shivajit Mohapatra, Radu Cornea, Nikil Dutt, Alex Nicolau, Nalini Venkatasubramanian
November 2003 **Proceedings of the eleventh ACM international conference on**

Multimedia
Publisher: ACM Press

Full text available: 📄 pdf(417.95 KB)   Additional Information: full citation, abstract, references, citings, index terms

Optimizing user experience for streaming video applications on handheld devices is a significant research challenge. In this paper, we propose an integrated power management approach that unifies low level architectural optimizations (CPU, memory, register), OS power-saving mechanisms (Dynamic Voltage Scaling) and adaptive middleware techniques (admission control, optimal transcoding, network traffic regulation). Specifically, we identify interaction parameters between the different levels and o ...

Keywords: cross-layer adaptation, low-power, multimedia streaming

12 Brave new topics - session 1: multimedia service composition: A taxonomy for multimedia service composition
Klara Nahrstedt, Wolf-Tilo Balke
October 2004 **Proceedings of the 12th annual ACM international conference on Multimedia**
Publisher: ACM Press
Full text available: 📄 pdf(272.55 KB)   Additional Information: full citation, abstract, references, index terms

The realization of multimedia systems still heavily relies on building monolithic systems that need to be reengineered for every change in the application and little of which can be reused in subsequent developments even for similar applications. Hence, building complex large scale multimedia systems is still a difficult and challenging problem. Service-based architectures, like researched in the Web community, form a possible solution to this problem: The service-based paradigm decomposes co ...

Keywords: multimedia service composition, service-oriented architectures

13 Structuring internet media streams with cueing protocols
Jack Brassil, Henning Schulzrinne
August 2002 **IEEE/ACM Transactions on Networking (TON)**, Volume 10 Issue 4
Publisher: IEEE Press

Full text available: 📄 pdf(282.39 KB)   Additional Information: full citation, abstract, references, citings, index terms

We propose a new, media-independent protocol for including program timing, structure, and identity information in Internet media streams. The protocol uses signaling messages called *cues* to indicate events whose timing is significant to receivers, such as the start or stop time of a media program. We describe the implementation and operation of a prototype Internet radio station which transmits program cues in audio broadcasts using the Real-Time Transport Protocol (RTP). A collection of ...

Keywords: content delivery networks, multimedia signaling, real-time transport protocol (RTP)

14 Posters: Multimedia streaming services: specification, implementation, and retrieval
Björn Althun, Martin Zimmermann
November 2003 **Proceedings of the 5th ACM SIGMM international workshop on Multimedia information retrieval**
Publisher: ACM Press
Full text available: 📄 pdf(263.35 KB)   Additional Information: full citation, abstract, references, index terms

The central purpose of this paper is to present a novel framework supporting the specification, the implementation and retrieval of media streaming services. It provides an

integrated service development environment comprising of a streaming service model, a service specification language and several implementation and retrieval tools. Our approach is based on a clear separation of a streaming service specification, and its implementation by a distributed application and can be used for differen ...

Keywords: XML, multimedia retrieval, streaming service

15 Multimedia and visualization: Dynamic structuring of web information for access visualization
Jess Y. S. Mak, Hong Va Leong, Alvin T. S. Chan
March 2002 **Proceedings of the 2002 ACM symposium on Applied computing**
Publisher: ACM Press
Full text available: pdf(765.23 KB)   Additional Information: full citation, abstract, references, index terms

The Internet has led to the formation of a global information infrastructure. To explore a web site, a site map would be useful as a short cut for a user to locate for the target information in a structured and efficient manner, rather than drilling into the web site following hyperlinks, reading possibly irrelevant information. Useless information impacts a mobile web environment, where mobile clients are only connected with unreliable wireless channels of limited bandwidth. Structured web page ...

Keywords: DOM, VRML, XML, visualization, web document structure

16 Operating systems: KStreams: kernel support for efficient data streaming in proxy servers
Jiantao Kong, Karsten Schwan
June 2005 **Proceedings of the international workshop on Network and operating systems support for digital audio and video NOSSDAV '05**
Publisher: ACM Press
Full text available: pdf(221.14 KB)   Additional Information: full citation, abstract, references, index terms

Growth in broadband connectivity is making media streaming applications increasingly popular. For scalability, media is streamed across sets of proxy servers embedded in overlay networks, where the quality of delivered content depends both on available network capacities across overlay nodes and the capabilities of proxy servers. This paper addresses proxy server performance for media streaming and for the delivery of live media content. Our approach to efficient content delivery is to develop a ...

Keywords: media proxy, media streaming

17 Session I: QoS in ad hoc and infra-structure based wireless networks: TranScaling: a video coding and multicasting framework for wireless IP multimedia services
Hayder Radha
July 2001 **Proceedings of the 4th ACM international workshop on Wireless mobile multimedia**
Publisher: ACM Press
Full text available: pdf(394.32 KB)   Additional Information: full citation, abstract, references, index terms

The convergence of the Internet with new wireless and mobile networks is creating a whole new level of heterogeneity in multimedia communications. This increased level of heterogeneity emphasizes the need for scalable and adaptive video solutions both for coding and transmission purposes. However, in general, there is an inherent tradeoff between the level of scalability and the quality of scalable video streams. In other words, the higher the bandwidth variation, the lower the overall video qua ...

18 Multimedia: Streaming speech[3]: a framework for generating and streaming 3D text-to-speech and audio presentations to wireless PDAs as specified using extensions to

SMIL

Stuart Goose, Sreedhar Kodlahalli, William Pechter, Rune Hjelsvold

May 2002 **Proceedings of the 11th international conference on World Wide Web**

Publisher: ACM Press

Full text available: 📄 pdf(108.21 KB)   Additional Information: full citation, abstract, references, citings, index terms

While monochrome unformatted text and richly colored graphical content are both capable of conveying a message, well designed graphical content has the potential for better engaging the human sensory system. It is our contention that the author of an audio presentation should be afforded the benefit of judiciously exploiting the human aural perceptual ability to deliver content in a more compelling, concise and realistic manner. While contemporary streaming media players and voice browsers share ...

Keywords: 3D audio, PDA, SMIL, accessibility, location-based, mobile, spatialization, speech synthesis, streaming, wireless

19 Position statements: Dynamic data path reconfiguration

Carsten Griwodz, Michael Zink

October 2001 **Proceedings of the 2001 international workshop on Multimedia middleware**

Publisher: ACM Press

Full text available: 📄 pdf(447.25 KB)   Additional Information: full citation, references

20 Applications on the go: MediaAlert: a broadcast video monitoring and alerting system for mobile users

Bin Wei, Bernard Renger, Yih-Farn Chen, Rittwik Jana, Huale Huang, Lee Begeja, David Gibbon, Zhu Liu, Behzad Shahraray

June 2005 **Proceedings of the 3rd international conference on Mobile systems, applications, and services MobiSys '05**

Publisher: ACM Press

Full text available: 📄 pdf(593.10 KB)   Additional Information: full citation, abstract, references

We present a system for automatic monitoring and timely dissemination of multimedia information to a range or mobile information appliances based on each user's interest profile. Multimedia processing algorithms detect and isolate relevant video segments from over twenty television broadcast programs based on a collection or words and phrases specified by the user. Content repurposing techniques are then used to convert the information into a form that is suitable for delivery to the user's mobi ...

Keywords: alerting, automatic speech recognition (ASR), content adaptation, content repurposing, mobile devices, multimedia messaging, multimedia processing, news monitoring, notification, service platform

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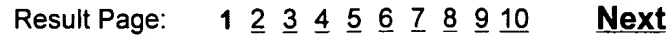addingwindowsmediasupportwiththewindowsmediaformat.asp?frame=true - 38k -
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